

#### ABSTRACT OF THE DISCLOSURE

A drive pulse for writing is generated based on a data pulse signal to be recorded, a light source element is driven with this drive pulse to obtain a beam of light, and this beam of light is irradiated onto an optical recording medium to record the data pulse signal on the optical recording medium. When the drive pulse is generated, a write pulse is generated based on the data pulse signal, and compared with a beam intensity signal representing intensity of the beam of light to optimally control a pulse width of the drive pulse.